

Unshielded

Telephone Cables

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

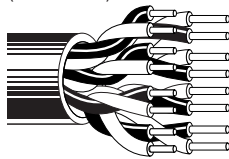
24 AWG Solid Tinned Copper Conductors • Twisted Pairs

PVC Insulation • Chrome PVC Jacket

	9562	NEC:	2	See Chart 4 (Tech Info Section)	U-500	U-152.4	10.5	4.8	.010	.25	.032	.81	.199	5.05
		CMG			500	152.4	9.0	4.1						
		CEC:			U-1000	U-304.8	20.0	9.1						
		CMG FT4			1000	304.8	18.0	8.2						
	9566	NEC:	6	See Chart 4 (Tech Info Section)	U-500	U-152.4	21.5	9.8	.010	.25	.032	.81	.289	7.34
		CMG			500	152.4	23.5	10.7						
		CEC:			U-1000	U-304.8	42.0	19.1						
		CMG FT4			1000	304.8	45.0	20.5						
	9570	NEC:	10	See Chart 4 (Tech Info Section)	500	152.4	31.5	14.3	.010	.25	.035	.89	.310	7.87
		CMG			1000	304.8	63.0	28.6						
		CEC:												
		CMG FT4												
	9585	NEC:	25	See Chart 4 (Tech Info Section)	500	152.4	74.0	33.6	.010	.25	.040	1.02	.480	12.19
		CMG			1000	304.8	144.0	65.5						
		CEC:												
		CMG FT4												

22 AWG Solid Tinned Copper Conductors • Twisted Pairs

PVC Insulation • Chrome PVC Jacket

	8740	NEC:	1	See Chart 3 (Tech Info Section)	U-500	U-152.4	7.5	3.4	.010	.25	.032	.81	.156	3.96
		CMG			U-1000	U-304.8	14.0	6.4						
		CEC:												
		CMG FT4												
	8741	NEC:	2	See Chart 3 (Tech Info Section)	U-500	U-152.4	13.5	6.1	.010	.25	.032	.81	.230	5.84
		MPG, CMG			U-1000	U-304.8	25.0	11.3						
		CEC:			1000	304.8	27.0	12.2						
		CMG FT4												
	8742	NEC:	3	See Chart 3 (Tech Info Section)	500	152.4	17.0	7.7	.010	.25	.032	.81	.242	6.15
		MPG, CMG			U-1000	U-304.8	31.0	14.1						
		CEC:			1000	304.8	33.0	15.0						
		CMG FT4												
	8757	NEC:	4	See Chart 3 (Tech Info Section)	500	152.4	20.0	9.1	.010	.25	.032	.81	.264	6.71
		MPG, CMG			U-1000	U-304.8	38.0	17.2						
		CEC:			1000	304.8	40.0	18.2						
		CMG FT4												
	8743	NEC:	6	See Chart 3 (Tech Info Section)	U-500	U-152.4	26.5	12.0	.010	.25	.032	.81	.293	7.44
		MPG, CMG			U-1000	U-304.8	51.0	23.1						
		CEC:			1000	304.8	53.0	24.1						
		CMG FT4												
	9160	NEC:	8	See Chart 3 (Tech Info Section)	500	152.4	35.5	16.1	.010	.25	.035	.89	.323	8.20
		MPG, CMG			1000	304.8	71.0	32.3						
		CEC:												
		CMG FT4												
	8744	NEC:	9	See Chart 3 (Tech Info Section)	1000	304.8	79.0	35.9	.010	.25	.035	.89	.350	8.89
		MPG, CMG												
		CEC:												
		CMG FT4												

Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pairs														
PVC Insulation • Chrome PVC Jacket														
	9744	NEC:	2	See Chart 3 (Tech Info Section)	U-500	U-152.4	13.5	6.1	.010	.25	.032	.81	.244	6.20
		CMG:			500	152.4	14.0	6.4						
		CEC:			U-1000	U-304.8	26.0	11.8						
		CMG FT4			1000	304.8	27.0	12.3						
	9745	NEC:	3	See Chart 3 (Tech Info Section)	U-500	U-152.4	18.0	8.2	.010	.25	.032	.81	.257	6.53
		CMG:			500	152.4	18.0	8.2						
		CEC:			U-1000	U-304.8	34.0	15.4						
		CMG FT4			1000	304.8	36.0	16.4						
	9746	NEC:	4	See Chart 3 (Tech Info Section)	500	152.4	22.5	10.2	.010	.25	.032	.81	.281	7.14
		CMG:			1000	304.8	42.0	19.1						
CEC:														
CMG FT4														
8747	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	6.2	2.8	.010	.25	.035	.89	.320	8.13	
	CMG:			500	152.4	30.0	13.6							
	CEC:			1000	304.8	59.0	26.8							
	CMG FT4													
8748	NEC:	9	See Chart 3 (Tech Info Section)	100	30.5	8.6	3.9	.010	.25	.037	.94	.389	9.88	
	CMG:			500	152.4	43.5	19.8							
	CEC:			1000	304.8	84.0	38.2							
	CMG FT4													
9747	NEC:	12	See Chart 3 (Tech Info Section)	100	30.5	11.5	5.2	.010	.25	.040	1.02	.425	10.80	
	CMG:			500	152.4	55.0	25.0							
	CEC:			1000	304.8	109.0	49.5							
	CMG FT4													
8749	NEC:	15	See Chart 3 (Tech Info Section)	500	152.4	64.0	29.1	.010	.25	.040	1.02	.440	11.18	
	CMG:			1000	304.8	124.0	56.4							
	CEC:													
	CMG FT4													
9748	NEC:	19	See Chart 3 (Tech Info Section)	500	152.4	81.5	37.0	.010	.25	.040	1.02	.505	12.83	
	CMG:			1000	304.8	159.0	72.3							
	CEC:													
	CMG FT4													
8750	NEC:	27	See Chart 3 (Tech Info Section)	1000†	304.8	221.0	100.5	.010	.25	.045	1.14	.575	14.61	
	CMG:													
	CEC:													
	CMG FT4													

[†]Spools are one piece, but length may vary -0% to +20% from length shown.

Unshielded

Audio, Control and Instrumentation Cables

Plenum-Rated

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pairs

Plenum • FEP Insulation • Red FEP Jacket

	300V RMS	88442	NEC: CMP CEC: CMP FT6	1	Black & Red	100 500 [†] 1000 [†]	30.5 152.4 304.8	2.3 5.5 8.0	1.0 2.5 3.6	.006	.15	.012	.30	.102	2.59
		88741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	500 [†] 1000 [†]	152.4 304.8	8.0 16.0	3.6 7.3	.006	.15	.012	.30	.169	4.29
		88757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	500 [†] 1000 [†]	152.4 304.8	14.0 28.0	6.4 12.7	.006	.15	.019	.23	.200	5.08

Plenum • FEP Insulation • Natural Flamarrest® Jacket

	300V RMS	82442	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000 [†] 1000 [†]	U-304.8 304.8	9.0 8.0	4.1 3.6	.006	.15	.014	.36	.112	2.84
		82741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	U-1000 [†] 1000 [†]	U-304.8 304.8	18.0 20.0	8.2 9.1	.006	.15	.014	.36	.179	4.55
		82742	NEC: CMP CEC: CMP FT6	3	Black & Red, Black & White, Black & Green	U-1000 [†] 1000 [†]	U-304.8 304.8	24.0 26.0	10.9 11.8	.006	.15	.014	.36	.191	4.85
		82757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	1000 [†]	304.8	32.0	14.5	.006	.15	.014	.36	.210	5.33
		82743	NEC: CMP CEC: CMP FT6	6	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown	U-1000 [†] 1000 [†]	U-304.8 304.8	44.0 46.0	20.0 20.9	.006	.15	.015	.38	.238	6.05

[†]Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

20 AWG Stranded (7x28) Tinned Copper Conductors • Twisted Pairs

PVC Insulation • Chrome PVC Jacket														
	300V RMS	8205	NEC:	1	See Chart 3 (Tech Info Section)	100	30.5	2.6	1.2	.013	.33	.025	.64	.180 4.57
			CMG			U-500	U-152.4	9.0	4.1					
			CEC:			500	152.4	9.0	4.1					
			CMG FT4			U-1000	U-304.8	18.0	8.2					
						1000	304.8	18.0	8.2					
	UL AWM Style 2464 (300V 80°C)	9750	NEC:	3	See Chart 3 (Tech Info Section)	500	152.4	26.5	12.0	.013	.33	.035	.89	.299 7.59
			CMG			1000	304.8	50.0	22.7					
			CEC:											
			CMG FT4											
		9751	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	9.1	4.1	.013	.33	.035	.89	.366 9.30
			CMG			500	152.4	45.0	20.5					
			CEC:			1000	304.8	89.0	40.5					
			CMG FT4											
		9752	NEC:	9	See Chart 3 (Tech Info Section)	100	30.5	13.1	5.9	.013	.33	.035	.89	.429 10.90
			CMG			500	152.4	65.5	29.8					
			CEC:			1000	304.8	125.0	56.8					
			CMG FT4											
		9755	NEC:	15	See Chart 3 (Tech Info Section)	100	30.5	17.9	8.1	.013	.33	.040	1.02	.545 13.84
			CMG			1000	304.8	194.0	88.2					
			CEC:											
			CMG FT4											

19 AWG Solid Bare Copper Conductors • Twisted Pair

PVC Insulation • Chrome PVC Jacket														
	300V RMS	8486	NEC:	1	Brown, Tan	U-500	U-152.4	9.5	4.3	.015	.38	.025	.64	.182 4.62
			CM			U-1000	U-304.8	18.0	8.2					
			CEC:			1000	304.8	19.0	8.6					
			CM											

18 AWG Stranded (7x26) Tinned Copper Conductors • Twisted Pair

PVC Insulation • Chrome PVC Jacket														
	300V RMS	8461	NEC:	1	Black, White	100	30.5	3.2	1.4	.022	.56	.028	.71	.234 5.94
			CMG			U-500	U-152.4	14.0	6.4					
			CEC:			500	152.4	13.5	6.1					
			CMG FT4			U-1000	U-304.8	26.0	11.8					
						1000	304.8	27.0	12.2					

Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
18 AWG Stranded (16x30) Tinned Copper Conductors • Twisted Pairs														
PVC Insulation • Chrome PVC Jacket														
 UL AWM Style 2464 (300V 80°C)	9740	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	12.5 12.5 24.0 24.0	5.7 5.7 10.9 10.9	.014	.36	.032	.81	.210	5.33
	9156	NEC: CMG CEC: CMG FT4	2	See Chart 3 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	25.0 27.0 49.0 51.0	11.3 12.2 22.2 23.2	.014	.36	.035	.89	.333	8.46
	8690	NEC: CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	100 U-500 500 1000	30.5 U-152.4 152.4 304.8	7.0 32.5 34.0 65.0	3.2 14.8 15.4 29.5	.014	.36	.032	.81	.347	8.81
	9157	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.4 41.0 83.0	3.8 18.6 37.7	.014	.36	.032	.81	.381	9.68
	9159	NEC: CMG CEC: CMG FT4	5	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	50.0 99.0	22.7 45.0	.014	.36	.032	.81	.391	9.93
	8691	NEC: CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	58.0 115.0	26.4 52.3	.014	.36	.032	.81	.433	11.00
	9161	NEC: CMG CEC: CMG FT4	8	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	14.2 78.0 152.0	6.4 35.6 69.3	.014	.36	.037	.94	.485	12.32
	8692	NEC: CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	87.0 170.0	39.5 77.3	.014	.36	.040	1.02	.524	13.31
	9741	NEC: CMG CEC: CMG FT4	12	See Chart 3 (Tech Info Section)	100 1000	30.5 304.8	25.4 220.0	11.5 99.8	.014	.36	.046	1.17	.600	15.24
	9742	NEC: CMG CEC: CMG FT4	15	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	30.9 146.5 291.0	14.0 66.5 132.0	.014	.36	.051	1.30	.677	17.20
	9743	NEC: CMG CEC: CMG FT4	19	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	37.0 179.0 355.0	16.8 81.4 161.4	.014	.36	.055	1.40	.721	18.31

Unshielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

18 AWG Stranded (19x30) Tinned Copper Conductors • Twisted Pair

Plenum • FEP Insulation • Red FEP Jacket

300V RMS	89740	NEC: CMP CEC: CMP FT6	1	Black, Red	100 500 [†] 1000 [†]	30.5 152.4 304.8	3.0 9.0 15.0	1.4 4.1 6.8	.006	.17	.009	.23	.136	3.45
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Plenum • FEP Insulation • Red Fluorocopolymer Jacket

300V RMS	87740	NEC: CMP CEC: CMP FT6	1	Black, Red	500 [†] 1000 [†]	152.4 304.8	9.0 15.0	4.1 6.8	.006	.17	.011	.28	.140	3.56
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Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS	82740	NEC: CMP CEC: CMP FT6	1	Black, Red	U-1000 1000 [†]	U-304.8 304.8	17.0 16.0	7.7 7.3	.006	.17	.015	.38	.147	3.73
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16 AWG Stranded (19x29) Tinned Copper Conductors • Twisted Pair

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2598 (300V 60°C)	8471	NEC: CMG CEC: CMG FT4	1	Black, White	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	21.0 20.0 41.0 43.0	9.5 9.1 18.6 19.5	.023	.58	.032	.81	.274	6.96
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14 AWG Stranded (42x30) Tinned Copper Conductors • Twisted Pair

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2587 (600V 90°C)	8473	NEC: CL3 CEC: FAS 90 FT4	1	Black, White	U-500 500 1000	U-152.4 152.4 304.8	29.0 30.5 58.0	13.2 13.9 26.4	.031	.79	.032	.81	.340	8.64
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See NEC Guidelines for applicable CL3 voltage ratings.

12 AWG Stranded (65x30) Tinned Copper Conductors • Twisted Pair

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2587 (600V 90°C)	8477	NEC: CL3R	1	Black, White	U-500 500 1000	U-152.4 152.4 304.8	41.5 43.5 85.0	18.8 19.7 38.6	.032	.81	.035	.89	.386	9.80
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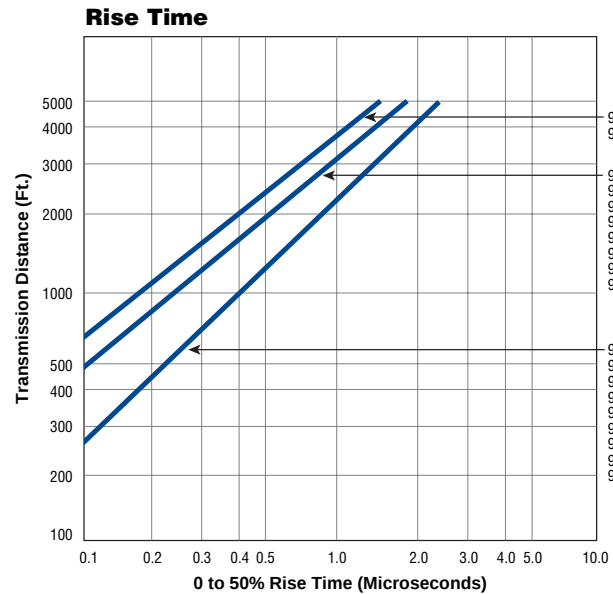
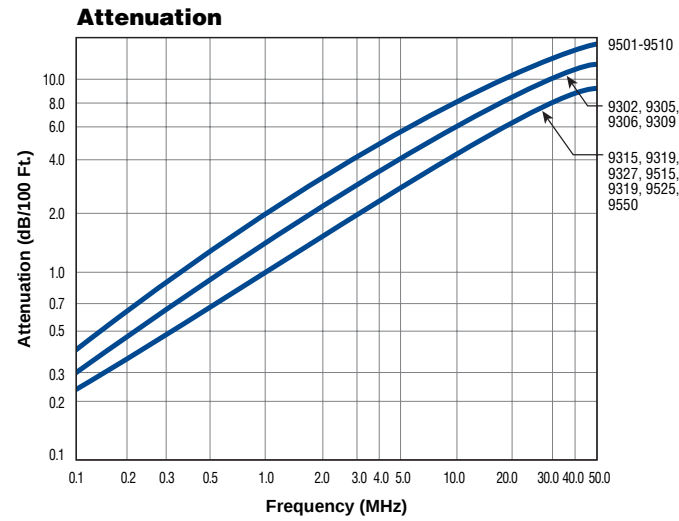


See NEC Guidelines for applicable CL3 voltage ratings.

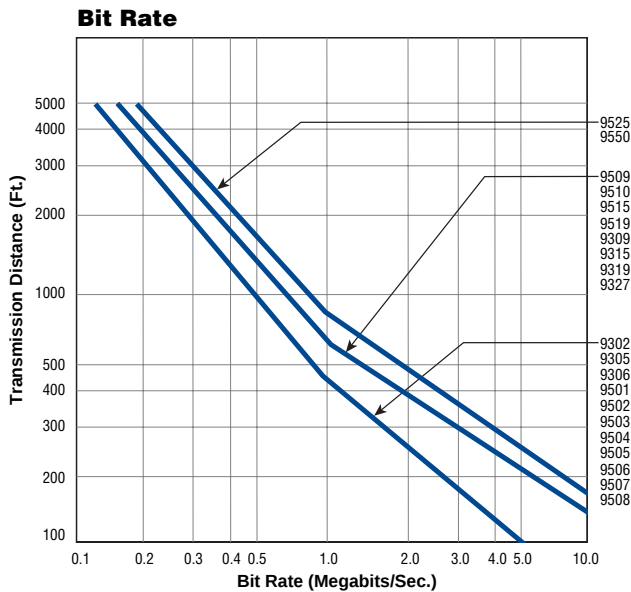
[†]Spools are one piece, but length may vary ±10% from length shown.

Overall Beldfoil® Shield

Cable Characteristics



Cables are terminated in their characteristic impedance. Signal source electrical characteristics: 50 ohms and 10% to 90% rise time less than 5 nanoseconds.



Charts assume 5% peak-to-peak time jitter as determined by eye pattern measurements of pseudorandom NRZ code.

Overall Beldfoil® Shield

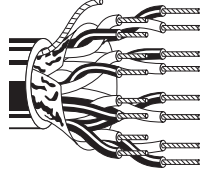
High-Temperature Control and Instrumentation Cables
and Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

20 AWG Stranded (7x28) TC Conductors • Pairs Cabled Together • Overall Beldfoil® Shield (100% Coverage) • Drain Wire

Tefzel® Insulation • Clear Tefzel Jacket

High-Temperature
300V RMS, 150°C
VW-1



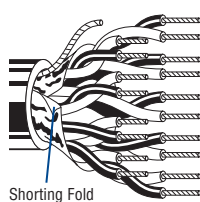
85164	4	See Chart 3 (Tech Info Section)	100	30.5	6.6	3.0	.015	.38	.025	.64	.344	8.74	23	75	40	131
			500†	152.4	37.0	16.8										
			1000†	304.8	71.0	32.3										
85168	8	See Chart 3 (Tech Info Section)	100	30.5	11.5	5.2	.015	.38	.025	.64	.439	11.15	23	75	40	131
			500†	152.4	62.0	28.2										
			1000†	304.8	126.0	57.3										

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire

Semi-rigid PVC Insulation • Chrome PVC Jacket

UL AWM Style 2464
(300V 80°C)
CSA AWM I A



Shorting Fold

9501	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	100	30.5	2.1	1.0	24.0Ω/M'	18.0Ω/M'	.156	3.96	75	60%	40	131	74	243
				U-500	U-152.4	7.5	3.4	78.7Ω/km	59.1Ω/km								
				500	152.4	7.0	3.2										
				U-1000	U-304.8	14.0	6.4										
				1000	304.8	14.0	6.4										
9502††	NEC: CMG CEC: CMG FT4 P-MSHA-SC-7K-182037	2	See Chart 3 (Tech Info Section)	100	30.5	3.7	1.7	24.0Ω/M'	17.0Ω/M'	.222	5.64	75	60%	30	98	50	164
				U-500	U-152.4	15.0	6.8	78.7Ω/km	55.8Ω/km								
				500	152.4	14.5	6.6										
				U-1000	U-304.8	28.0	12.7										
				1000	304.8	30.0	13.6										
9503	NEC: CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	100	30.5	3.4	1.5	24.0Ω/M'	17.0Ω/M'	.232	5.89	75	60%	30	98	50	164
				U-500	U-152.4	15.0	6.8	78.7Ω/km	55.8Ω/km								
				500	152.4	14.5	6.6										
				U-1000	U-304.8	28.0	12.7										
				1000	304.8	30.0	13.6										
9504	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	100	30.5	4.0	1.8	24.0Ω/M'	17.0Ω/M'	.265	6.73	75	60%	30	98	50	164
				U-500	U-152.4	18.0	8.2	78.7Ω/km	55.8Ω/km								
				500	152.4	16.5	7.5										
				U-1000	U-304.8	35.0	15.9										
				1000	304.8	36.0	16.3										
9505	NEC: CMG CEC: CMG FT4	5	See Chart 3 (Tech Info Section)	100	30.5	4.7	2.1	24.0Ω/M'	17.0Ω/M'	.289	7.34	75	60%	30	98	50	164
				U-500	U-152.4	21.5	9.8	78.7Ω/km	55.8Ω/km								
				500	152.4	23.0	10.4										
				U-1000	U-304.8	41.0	18.6										
				1000	304.8	43.0	19.5										

DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.

** Capacitance between one conductor and other conductors connected to shield.

† Spools are one piece, but length may vary ±10% from length shown.

†† Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration certification. Request quotations of RG/U cables not listed.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.

Tefzel is a DuPont trademark.

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

24 AWG Stranded (7x32) TC Conductors • Twisted Pair • Overall Beldfoil Shield[▲] (100% Coverage) • 24 AWG Stranded TC Drain Wire

Polyolefin Insulation • Black Matte PVC Jacket

High-Flex 300V RMS	1508A	NEC: CM	1	Black, Red	500	152.4	6.5	2.9	.008	.20	.024	.61	.131	3.33	31	102	58	190
					1000	304.8	11.0	5.0										



Jacket and shield are bonded so both can be removed with automatic stripping equipment.

Polypropylene Insulation • PVC Jacket (Available in Gray, Brown, Red, Green, Lt. Blue, Purple, White or Black)

300V RMS	1883A	NEC: CMR	1	Black, Red	U-1000	U-304.8	11.0	5.0	.008	.20	.020	.51	.123	3.12	31	102	58	190
					1000*	304.8	11.0	5.0										



Z-Fold[®]

* 1000 ft. put-up available in Gray only.

Jacket and shield are bonded so both can be removed with automatic stripping equipment. For cross-connect use with 1408R Snake Cables.

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2092 (300V 60°C)	8641	NEC: CM	1	Black, Clear	100	30.5	2.3	1.0	.016	.41	.025	.64	.168	4.27	22	72	42	138
					U-500	U-152.4	7.5	3.4										
					500	152.4	7.0	3.2										
					U-1000	U-304.8	14.0	6.4										
					1000	304.8	14.0	6.4										



For Plenum versions of 8641,
see 88641 or 82641.

Plenum • FEP Insulation • Red FEP Jacket

300V RMS, Non-conduit	88641	NEC: CMP	1	Black, Red	100	30.5	2.4	1.1	.006	.15	.014	.36	.106	2.69	31	102	59	194
					500†	152.4	6.0	2.7										
					1000†	304.8	9.0	4.1										



CMP FT6

Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS, Non-conduit	82641	NEC: CMP	1	Black, Red	U-1000†	U-304.8	9.0	4.1	.006	.15	.014	.36	.106	2.69	31	102	59	194
					1000†	304.8	8.0	3.6										



CMP FT6

TC = Tinned Copper

* Capacitance between conductors.

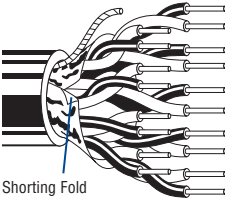
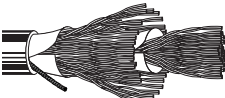
** Capacitance between one conductor and other conductors connected to shield.

† Spools and/or UnReel[®] cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

▲ Beldfoil provides high reliability with ease of termination.

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Solid Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
PVC Insulation • Chrome PVC Jacket																		
 Shorting Fold	9302	NEC:	2	See Chart 3 (Tech Info Section)	U-500	U-152.4	15.5	7.0	.013	.33	.032	.81	.244	6.20	35	115	50	164
		CMG			500	152.4	15.0	6.8										
		CEC:			U-1000	U-304.8	29.0	13.2										
		CMG FT4			1000	304.8	31.0	14.1										
	9305	NEC:	4	See Chart 3 (Tech Info Section)	100	30.5	4.9	2.2	.013	.33	.032	.81	.265	6.73	35	115	50	164
		CMG			U-500	U-152.4	22.0	10.0										
		CEC:			500	152.4	22.5	10.2										
		CMG FT4			U-1000	U-304.8	43.0	19.5										
	9306	NEC:	6	See Chart 3 (Tech Info Section)	500	152.4	31.5	14.3	.013	.33	.032	.81	.315	8.00	35	115	50	164
		CMG			1000	304.8	62.0	28.2										
	9309	CEC:	9	See Chart 3 (Tech Info Section)	500	152.4	44.5	20.2	.013	.33	.033	.84	.363	9.22	35	115	50	164
		CMG			1000	304.8	86.0	39.1										
		CEC:																
		CMG FT4																
	9315	NEC:	15	See Chart 3 (Tech Info Section)	500	152.4	67.0	30.5	.013	.33	.037	.94	.449	11.41	35	115	50	164
		CMG			1000	304.8	133.0	60.5										
		CEC:																
		CMG FT4																
9319	NEC:	19	See Chart 3 (Tech Info Section)	500	152.4	85.0	38.6	.013	.33	.040	1.02	.495	12.57	35	115	50	164	
	CMG			1000	304.8	165.0	75.0											
	CEC:																	
	CMG FT4																	
9327	NEC:	27	See Chart 3 (Tech Info Section)	500	152.4	116.0	52.7	.013	.33	.045	1.14	.615	15.62	35	115	50	164	
	CMG			1000	304.8	230.0	104.5											
	CEC:																	
	CMG FT4																	
300V RMS, 60°C	8751	NEC:	51	Request Technical Bulletin T/8-4	1000†	304.8	384.0	174.5	.010	.25	.050	1.27	.710	18.03	30	98	42.8	140
		CMG																
		CEC:																
		CMG FT4																

For 38-pair polypropylene version of 8751, see 8752.

For 38-pair polypropylene version of 8751, see 8752.

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Solid Tinned Copper Conductors • Twisted Pairs • Duofoil® Shield (100% Coverage) • 22 AWG Stranded Tinned Copper Drain Wire																		
Datalene® Insulation • Black PVC Jacket																		
UL AWM Style 2668 (300V 60°C)	9184	NEC: CM CEC: CM	2	Black & Yellow, Red & Blue	500 1000	152.4 304.8	29.0 59.0	13.2 26.8	16.5Ω/M' 54.13Ω/km	8.0Ω/M' 26.2Ω/km	.385	9.78	150	78%	8.7	28.5	14.1	46.3
																		

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

† Spools are one piece, but length may vary -0 to +20% from length shown.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.

Overall Beldfoil® Shield

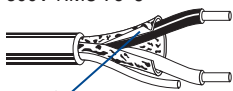
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

22 AWG Solid Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 22 AWG Solid TC Drain Wire*

Polypropylene Insulation • Gray or Black PVC Jacket

300V RMS 75°C	8450	NEC: CM	1	Black, Red	U-500 [†]	U-152.4	7.5	3.4	.007	.18	.018	.46	.118	3.00	40	131	76	249
		CEC: CM			U-1000 [†]	U-304.8	14.0	6.4										
					1000	304.8	13.0	5.9										

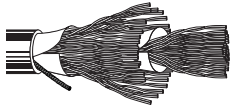


Z-Fold®

[†]U-500 ft. and U-1000 ft. put-ups available in Black only.
Belden's Miniature Type Broadcast Audio and Instrumentation Cables occupy 1/2 to 2/3 less space than standard cables.

Polypropylene Insulation • Chrome PVC Jacket

200V RMS 80°C	8752		38	Request Tech Bulletin T/8-4	250 [†]	76.2	65.0	29.5	.008	.20	.045	1.14	.610	15.50	17	56	24.3	80
					1000 [†]	304.8	256.0	116.4										



*8752 has a stranded tinned copper drain wire.

22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire

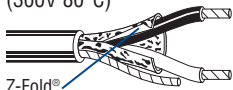
Semi-rigid PVC Insulation • Pale Fawn Beige Striated PVC Jacket

UL AWM Style 2464 (300V 80°C)	9414	NEC: CMG	1	White, Black	U-500	U-152.4	12.0	5.5	.010	.25	.035	.89	.186	4.72	50	164	95	312
		CEC: CMG FT4			500	152.4	11.5	5.2										
					U-1000	U-304.8	23.0	10.5										
					1000	304.8	23.0	10.5										



PVC Insulation • Chrome PVC Jacket

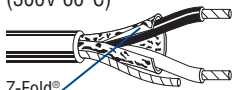
UL AWM Style 2464 (300V 80°C)	9462	NEC: CMG	1	Black, Red	100	30.5	3.0	1.4	.013	.33	.035	.89	.186	4.72	50	164	90	295
		CEC: CMG FT4			U-500	U-152.4	11.0	5.0										
					500	152.4	10.5	4.8										
					U-1000	U-304.8	21.0	9.5										
					1000	304.8	21.0	9.5										



Z-Fold®

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2092 (300V 60°C)	8761	NEC: CM	1	Black, Clear	U-500	U-152.4	9.0	4.1	.016	.41	.025	.64	.175	4.45	24	79	47	154
		CEC: CM			500	152.4	9.0	4.1										
					U-1000	U-304.8	17.0	7.7										
					1000	304.8	18.0	8.2										
					2000	609.6	36.0	16.3										
					5000	1524.0	90.0	40.9										
					10000 ^{††}	3048.0	170.0	77.3										



Z-Fold®

For Plenum versions of 8761,
see 88761, 87761 or 82761.

UL AWM Style 2092 (300V 60°C)	9461	NEC: CM	1	Black, Clear	U-500	U-152.4	11.0	5.0	.016	.41	.026	.66	.180	4.57	24	79	47	154
		CEC: CM			U-1000	U-304.8	21.0	9.6										



The jacket and shield are bonded so both can be removed on automatic stripping equipment.

TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

[†]Spools are one piece, but length may vary -0 to +20% from length shown.

^{††}Length may vary -10% to +20% and may contain 2 pieces. Minimum length of any piece is 1500 ft.

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

22 AWG Stranded (7x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire (continued)

Polypropylene Insulation • Paper Wrap • Gray or Black PVC Jacket																		
300V RMS 75°C 	8451	NEC:	1	Black, Red	100*	30.5	2.3	1.1	.008	.20	.020	.51	.138	3.51	34	112	67	220
		CMR			U-500	U-152.4	8.5	3.8										
		CEC:			500	152.4	8.0	3.6										
		CMG			U-1000	U-304.8	16.0	7.3										
					1000	304.8	16.0	7.3										

*100 ft. put-up available in Black only.
Unique paper separator facilitates jacket stripping.

Polypropylene Insulation • PVC Jacket (Available in Black, Gray, Brown, Red, Orange, Yellow, Green, Blue, Purple or White)																		
300V RMS 75°C 	9451	NEC:	1	Black, Red	U-500*	U-152.4	8.5	3.9	.008	.20	.020	.51	.135	3.43	35	115	67	220
		CMR			500*	152.4	8.0	3.6										
		CEC:			T-1000*	T-304.8	18.0	8.2										
		CMG FT4			U-1000	U-304.8	15.0	6.8										
					5000	1524.0	75.0	34.0										

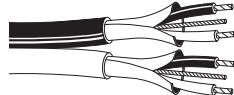
*U-500 ft., 500 ft. and T-1000 ft. put-ups available in Gray only.
The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

Polypropylene Insulation • Black Low-Smoke, Zero-Halogen Jacket																		
300V RMS 105°C 	9451SB new	NEC:	1	Black, Red	1000	304.8	20.0	9.1	.008	.20	.032	.81	.160	4.06	35	115	67	220
		CMG-LS																
		CEC:																
		CMG-LS FT4																
		Limited Smoke																

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

Polyolefin Insulation • PVC Jacket in Zip-Cord Construction (Red & Green, Red & Black, Red & Purple or Red & Gray)																		
300V 105°C 	9451D	NEC:	2	Black, Red	U-1000	U-304.8	29.0	13.2	.008	.20	.020	.51	.135	3.43	34	112	67	220
		CMR			2000*	620.8	62.0	28.1					x	x				
		CEC:																
		CMR FT4																

*2000 ft. put-up available in Red & Green only.
The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

Plenum • FEP Insulation • White Flamarrest® Jacket in Zip-Cord Construction																		
300V RMS 60°C 	9451DP new	NEC:	2	Black & Red, Black & White	1000	304.8	24.0	10.9	.007	.18	.017	.43	.127	3.23	35	115	67	220
		CMP											x	x				
		CEC:																
		CMP FT6																

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire

Polypropylene Insulation • PVC Jacket (Available in Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)																		
300V RMS 	1266A	NEC:	1	Black, Red	U-1000	U-304.8	15.0	6.8	.010	.25	.020	.51	.143	3.63	30	99	54	177
		CM			1000†	304.8	15.0	6.8										
		CEC:																
		CM																

†1000 ft. put-up available in Black only.
Unique design features lower capacitance and greater flexibility than standard audio pair constructions.

PVC Insulation • PVC Jacket (Available in Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)																		
300V 90°C 	1503A	NEC:	1	Black, Red	U-1000	U-304.8	16.0	7.3	.010	.25	.020	.51	.142	3.61	53	174	97	318
		CM																
		CEC:																
		CM																

TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

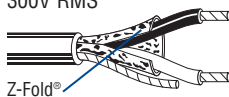
Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

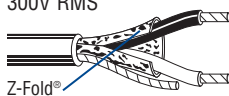
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

22 AWG Stranded (7x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire

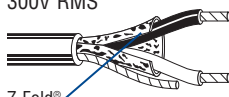
Plenum • FEP Insulation • Red FEP Jacket

 300V RMS Z-Fold®	88761	NEC:	1	Black, Red	100†	30.5	2.7	1.2	.006	.15	.014	.36	.119	3.02	35	115	67	220
		CMP			U-500†	U-152.4	7.5	3.4										
		CEC:			500†	152.4	7.5	3.4										
		CMP FT6			U-1000†	U-304.8	15.0	6.8										
					1000†	304.8	12.0	5.4										

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

 300V RMS Z-Fold®	87761	NEC:	1	Black, Red	500†	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP			1000†	304.8	11.0	5.0										
		CEC:																

Plenum • FEP Insulation • Natural Flamarrest® Jacket

 300V RMS Z-Fold®	82761	NEC:	1	Black, Red	U-500†	U-152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP			U-1000†	U-304.8	14.0	6.4										
		CEC:			1000†	304.8	11.0	5.0										
		CMP FT6																

Plenum • FEP Insulation • Flamarrest Jacket (Black, Gray, Brown, Red, Orange, Yellow, Green, Blue, Purple or White)

 300V RMS 60°C	9451P new	NEC:	1	Black, Red	U-1000	U-304.8	15.0	6.8	.007	.18	.017	.43	.127	3.23	35	115	67	220
		CMP			5000	1524.0	75.0	34.0										
		CEC:																
		CMP FT6																

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

22 AWG Stranded (19x34) TC Conductors • Dual Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire

PVC Insulation • PVC Jacket in Zip-Cord Construction (Red & Green, Red & Black, Red & Purple or Red & Gray)

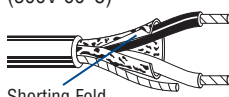
 Stereo Audio 150V RMS	1504A	NEC:	2	Black, Red	U-1000	U-304.8	32.0	14.5	.010	.25	.020	.51	.143	3.63	57	187	100	328
		CM			2000††	609.8	64.0	29.0					x	x				
		CEC:											.286	7.26				
		CM																

††2000 ft. put-up available in Red & Gray or Red & Green only.

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

20 AWG Stranded (7x28) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

 UL AWM Style 2092 (300V 60°C) Shorting Fold	8762	NEC:	1	Black, Clear	100	30.5	3.2	1.5	.016	.41	.028	.71	.204	5.18	27	89	49	161
		CM			250	76.2	6.3	2.8										
		CEC:			U-500	U-152.4	12.0	5.5										
		CM			500	152.4	12.0	5.5										
					U-1000	U-304.8	23.0	10.5										
					1000	304.8	23.0	10.5										
					2000	609.6	46.0	20.9										
					10000	3048.0	240.0	109.1										

 UL AWM Style 2092 (300V 60°C)	9464	NEC:	1	Black, Clear	U-500	U-152.4	17.0	7.7	.016	.41	.035	.89	.214	5.44	27	89	49	161
		CM			U-1000	U-304.8	32.0	14.5										
		CEC:																

CM

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield.

TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

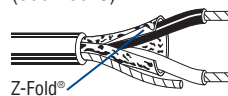
Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

20 AWG Stranded (7x28) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire (cont.)

PVC Insulation • Beige PVC Jacket

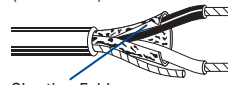
UL AWM Style 2464 (300V 80°C) 	9154	NEC:	1	Black, Red	U-500	U-152.4	11.5	5.2	.014	.36	.031	.79	.198	5.03	60	197	100	328
		CMG			500	152.4	12.0	5.5										
		CEC:			U-1000	U-304.8	22.0	10.0										
		CMG FT4			1000	304.8	23.0	10.5										

Z-Fold®

9154 has 22 AWG stranded tinned copper drain wire.

18 AWG Stranded (16x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2092 (300V 60°C) 	8760	NEC:	1	Black, Clear	250	76.2	6.8	3.1	.019	.48	.028	.71	.222	5.64	24	79	44	144
		CM			U-500	U-152.4	13.5	6.1										
		CEC:			500	152.4	13.0	5.9										
		CM			U-1000	U-304.8	25.0	11.3										
					1000	304.8	26.0	11.8										
					2000	609.6	50.0	22.7										

Shorting Fold

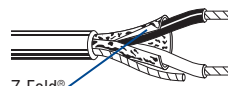
For Plenum versions of 8760,
see 88760, 87760 or 82760.

	9460	NEC:	1	Black, Clear	U-500	U-152.4	18.5	8.4	.019	.48	.030	.76	.230	5.84	24	79	44	144
		CM CEC: CM			U-1000	U-304.8	36.0	16.4										

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield.

18 AWG Stranded (19x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire

Plenum • FEP Insulation • Red FEP Jacket

300V RMS 	88760	NEC:	1	Black, Red	100	30.5	3.7	1.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			U-500	U-152.4	12.5	5.7										
		CEC:			500†	152.4	11.0	5.0										
		CMP FT6			U-1000	U-304.8	24.0	10.9										

Z-Fold®

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

300V RMS 	87760	NEC:	1	Black, Red	U-500	U-152.4	12.5	5.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			500†	152.4	10.5	4.8										
		CEC: CMP FT6			1000†	304.8	21.0	9.5										

Z-Fold®

Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS 	82760	NEC:	1	Black, Red	U-500†	U-152.4	12.0	5.4	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			U-1000†	U-304.8	22.0	10.0										
		CEC: CMP FT6			1000†	304.8	21.0	9.5										

Z-Fold®

TC = Tinned Copper

* Capacitance between conductors.

** Capacitance between one conductor and other conductors connected to shield.

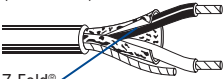
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
16 AWG Stranded (19x29) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 18 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 20253 (600V 80°C)	8719	NEC: CM, CL2 CEC: CM	1	Black, Clear	U-500 500 U-1000 1000 2000 5000 10000	U-152.4 152.4 U-304.8 304.8 609.6 1524.0 3048.0	24.0 25.5 47.0 50.0 100.0 245.0 510.0	11.1 11.6 21.3 22.7 45.5 111.4 231.3	.032	.81	.032	.81	.313	7.95	23	75	44	144
 Shorting Fold																		

14 AWG Stranded (19x27) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 16 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 20253 (600V 80°C)  Z-Fold®	8720	NEC: CM, CL2	1	Black, Clear	U-500	U-152.4	34.0	15.4	.032	.81	.035	.89	.355	9.02	24	79	47	154
					500	152.4	35.0	15.9										
					1000	304.8	71.0	32.3										
					2000	609.6	138.0	62.7										

12 AWG Stranded (19x25) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 14 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 20253 (600V 80°C)  Z-Fold®	8718	NEC: CL2	1	Black, Clear	U-500	U-152.4	47.5	21.6	.037	.94	.040	1.02	.400	10.16	25	82	49	161
					500	152.4	50.5	22.9										
					1000	304.8	100.0	45.5										
					2000	609.6	198.0	90.0										

TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

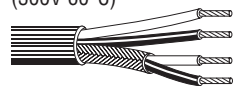
Combination Unshielded and Braid Shield and Overall Braid Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

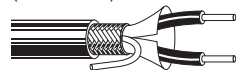
Combination • 22 AWG Stranded (7x30) TC Conductors • Conductors Cabled • TC Braid Shield Over One Pair (62% Coverage)

Polyethylene Insulation • Chrome PVC Jacket

	8732	UL AWM Style 2094 (300V 60°C)	NEC:	2:	Black,	500	152.4	17.5	7.9	.020	.51	.030	.76	.206	5.23	21	69	37	121
			CM	(1) Shld	Clear	U-1000	U-304.8	37.0	16.8					x	x				
			CEC:	(1) Unshld		1000	304.8	39.0	17.7					.332	8.43				
			CM																

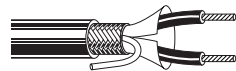
Overall Braid • 22 AWG Solid TC Conductors • Twisted Pair • Polyester Tape + TC Braid Shield (88% Coverage) • 22 AWG Solid TC Drain Wire

PVC Insulation • Black PVC Jacket

	8437	UL AWM Style 2095 (300V 80°C)	NEC:	1	Black,	1000	304.8	25.0	11.4	.015	.38	.025	.64	.200	5.08	48	157	85	279
			CMG		Red														
			CEC:																
			CMG FT4																

Overall Braid • 22 AWG Stranded (7x30) TC Conductors • Twisted Pair • Polyester Tape + TC Braid Shield (86% Coverage) • Stranded TC Drain Wire

PVC Insulation • Black PVC Jacket

	8441	UL AWM Style 2095 (300V 80°C)	NEC:	1	Black,	100	30.5	3.6	1.6	.015	.38	.025	.64	.210	5.33	49	161	86	282
			CMG		Red	U-500	U-152.4	14.0	6.4										
			CEC:			500	152.4	14.0	6.4										
			CMG FT4			U-1000	U-304.8	27.0	12.3										
						1000	304.8	27.0	12.3										

Overall Braid • 18 AWG Stranded (16x30) Tinned Copper Conductors • Twisted Pair • Separator + TC Braid Shield (73% Coverage)

Rubber Insulation • Chrome PVC Jacket

	8208	300V RMS 80°C		1	Red,	100	30.5	4.7	2.1	.022	.56	.025	.64	.257	6.53	46	151	77	253
					White	U-500	U-152.4	21.5	9.8										
						500	152.4	20.0	9.1										
						U-1000	U-304.8	42.0	19.1										
						1000	304.8	43.0	19.5										

TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

Overall Spiral Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

Overall Spiral • 22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pair • Tinned Copper Spiral Wrapped Shield (85% Coverage)

PVC Insulation • Chrome PVC Jacket

	8737	UL AWM Style 2095 (300V 80°C)	NEC:	1	Black, Red	U-500	U-152.4	10.5	4.8	.015	.38	.025	.64	.180	4.57	40	131	70	230
			CMG			500	152.4	10.0	4.5										
			CEC:			U-1000	U-304.8	20.0	9.1										
			CMG FT4			1000	304.8	20.0	9.1										

Overall Spiral • 20 AWG Stranded (7x28) Tinned Copper Conductors • Twisted Pair • Tinned Copper Spiral Wrapped Shield (89% Coverage)

PVC Insulation • Chrome PVC Jacket

	8759	UL AWM Style 2095 (300V 80°C)	NEC:	1	Black, Red	U-500	U-152.4	12.5	5.7	.016	.41	.025	.64	.199	5.05	47	154	79	259
			CMG			U-1000	U-304.8	24.0	10.9										
			CEC:			1000	304.8	25.0	11.4										
			CMG FT4																

Overall Spiral • 18 AWG Stranded (7x26) Tinned Copper Conductors • Twisted Pair • Tinned Copper Spiral Wrapped Shield (85% Coverage)

PVC Insulation • Chrome PVC Jacket

	8790	300V RMS 60°C	NEC:	1	Red, White	U-500	U-152.4	17.5	7.9	.022	.56	.028	.71	.241	6.12	53	174	92	302
			CMG			500	152.4	17.0	7.7										
			CEC:			U-1000	U-304.8	33.0	15.0										
			CMG FT4			1000	304.8	35.0	15.9										

Overall Spiral • 16 AWG Stranded (19x29) Tinned Copper Conductors • Twisted Pair • Tinned Copper Spiral Wrapped Shield (85% Coverage)

PVC Insulation • Chrome PVC Jacket

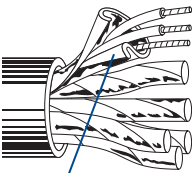
	8780	300V RMS 60°C	NEC:	1	Black, White	500	152.4	23.5	10.7	.023	.58	.030	.76	.280	7.11	57	187	98	322
			CMG			U-1000	U-304.8	44.0	20.0										
			CEC:			1000	304.8	46.0	20.9										
			CMG FT4																

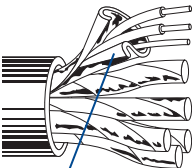
*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

Individually Shielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
 Z-Fold®	9990	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	16.0 36.0	7.3 16.4	24.0Ω/M' 78.7Ω/km	18.0Ω/M' 59.1Ω/km	.255 6.48	60	66%	25	82	47	154	
	9991	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.7 32.5 62.0	3.1 14.7 28.3	24.0Ω/M' 78.7Ω/km	18.0Ω/M' 59.1Ω/km	.330 8.38	60	66%	25	82	47	154	
	9992	NEC: CM CEC: CM	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.8 42.5 86.0	4.0 19.3 39.1	24.0Ω/M' 78.7Ω/km	18.0Ω/M' 59.1Ω/km	.383 9.73	60	66%	25	82	47	154	
	9993	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.8 107.0 228.0	4.5 48.6 103.6	24.0Ω/M' 78.7Ω/km	18.0Ω/M' 59.1Ω/km	.428 10.87	60	66%	25	82	47	154	
	9995	NEC: CM CEC: CM	25	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	21.2 116.0 228.0	9.7 52.7 103.6	24.0Ω/M' 78.7Ω/km	18.0Ω/M' 59.1Ω/km	.636 16.15	60	66%	25	82	47	154	

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Solid Conductors • TC • Twisted Pairs • Individually Shielded w/ Beldfoil (100% Coverage) • 22 AWG Solid TC Drain Wire																		
PVC Insulation • Overall Chrome PVC Jacket																		
 Z-Fold®	8767	NEC: MPG, CMG CEC: MPG, CMG FT4	3	See Chart 3 (Tech Info Section)	U-500 500 1000	U-152.4 152.4 304.8	22.5 23.0 46.0	10.3 10.5 21.0	.013 .33	.037 .94	.279 7.10	40	131	77	253			
	8768	NEC: MPG, CMG CEC: MPG, CMG FT4	6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	46.5 92.0	21.1 41.8	.013 .33	.037 .94	.379 9.60	40	131	77	253			
	8764	NEC: MPG, CMG CEC: MPG, CMG FT4	9	See Chart 3 (Tech Info Section)	1000	304.8	122.0 55.5		.013 .33	.040 1.02	.425 10.80	40	131	77	253			
	8765	NEC: MPG, CMG CEC: MPG, CMG FT4	11	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	76.5 149.0	34.8 67.7	.013 .33	.040 1.02	.470 11.90	40	131	77	253			
	8766	NEC: MPG, CMG CEC: MPG, CMG FT4	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	101.5 196.0	46.1 89.1	.013 .33	.045 1.14	.525 13.30	40	131	77	253			

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

Individually Shielded

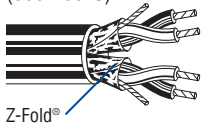
Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ ft.	* pF/ m	** pF/ ft.	** pF/ m

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire

Semi-rigid PVC Insulation • Pale Fawn Beige PVC Jacket (Shielded Pairs Parallel under Jacket)

UL AWM Style 2464 (300V 80°C)	9406	NEC:	2	Black & White,	100	30.5	3.8	1.7	15.0Ω/M'	13.0Ω/M'	.173	4.39	50	60%	50	164	95	312
		CMG			U-500	U-152.4	16.5	7.5	49.2Ω/km	42.7Ω/km	x	x						
		CEC:			500	152.4	17.0	7.7			.280	7.11						
		CMG FT4			U-1000	U-304.8	32.0	14.5										
					1000	304.8	33.0	15.0										

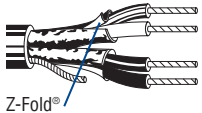


Z-Fold®

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 24 AWG Stranded TC Drain Wire

Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

300V RMS 60°C	8723	NEC:	2	Red & Black,	100	30.5	2.3	1.0	15.0Ω/M'	16.6Ω/M'	.160	4.06	45	66%	35	115	62	203
		CM			U-500	U-152.4	10.5	4.8	49.2Ω/km	54.5Ω/km								
		CEC:			500	152.4	10.0	4.5										
		CM			U-1000	U-304.8	20.0	9.1										
					1000	304.8	20.0	9.1										
					1640	499.9	32.8	14.9										
					U-2000	U-609.6	38.0	17.2										
					2000	609.6	40.0	18.2										
					3280	999.7	65.6	29.8										
					5000	1524.0	95.0	43.2										
					10000	3048.0	200.0	90.9										

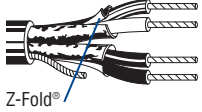


Z-Fold®

For Plenum versions of 8723,
see 88723, 87723 or 82723.

Polypropylene Insulation • Black Low-Smoke, Zero-Halogen Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

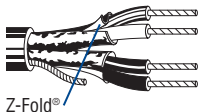
300V RMS 60°C	8723SB	NEC:	2	Red & Black,	1000	304.8	26.0	11.8	14.7Ω/M'	15.0Ω/M'	.196	4.98	45	66%	35	115	62	203
		new CMG-LS							48.2Ω/km	49.2Ω/km								
		CEC:																
		CMG-LS FT4 Limited Smoke																



Z-Fold®

Plenum • FEP Insulation • Natural Flamarrest® Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

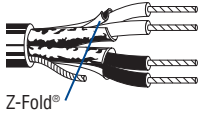
300V RMS, Non-conduit	82723	NEC:	2	Red & Black,	U-500†	U-152.4	10.5	4.8	14.7Ω/M'	16.6Ω/M'	.153	3.89	36	62%	43	141	75	246
		CMP			U-1000	U-304.8	20.0	9.1	48.2Ω/km	54.5Ω/km								
		CEC:			1000†	304.8	19.0	8.6										
		CMP FT6			U-2000†	U-609.6	40.0	18.1										



Z-Fold®

Plenum • FEP Insulation • Red FEP Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

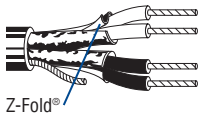
300V RMS, Non-conduit	88723	NEC:	2	Red & Black,	100†	30.5	3.4	1.5	16.0Ω/M'	14.7Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			500†	152.4	11.0	5.0	52.5Ω/km	48.2Ω/km								
		CEC:			1000†	304.8	19.0	8.6										
		CMP FT6																



Z-Fold®

Plenum • FEP Insulation • Red Fluorocopolymer Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

300V RMS, Non-conduit	87723	NEC:	2	Red & Black,	500†	152.4	11.0	5.0	14.7Ω/M'	15.0Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			1000†	304.8	20.0	9.1	48.2Ω/km	49.2Ω/km								
		CEC:																
		CMP FT6																



Z-Fold®

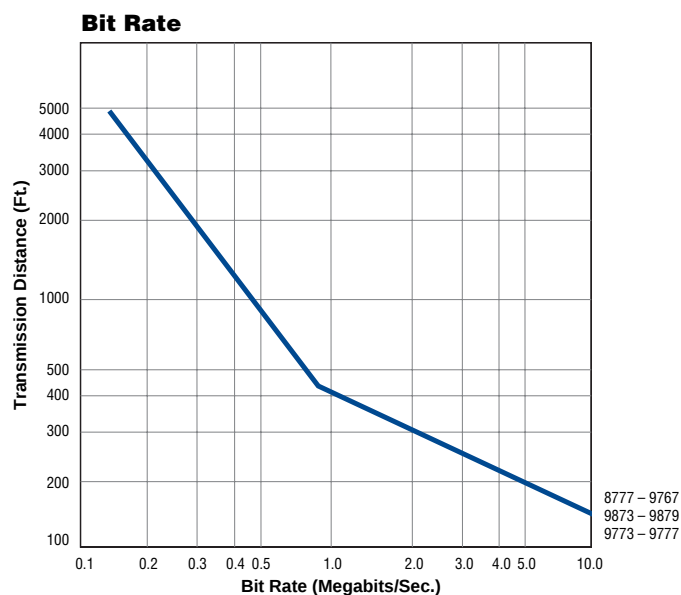
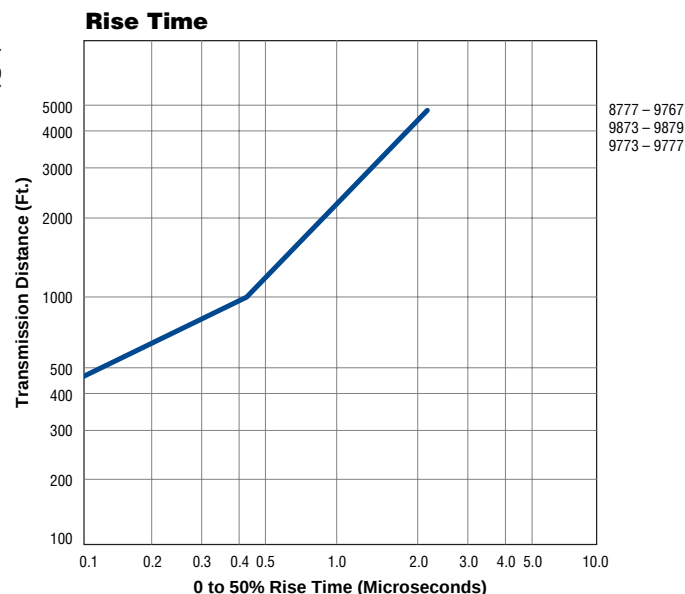
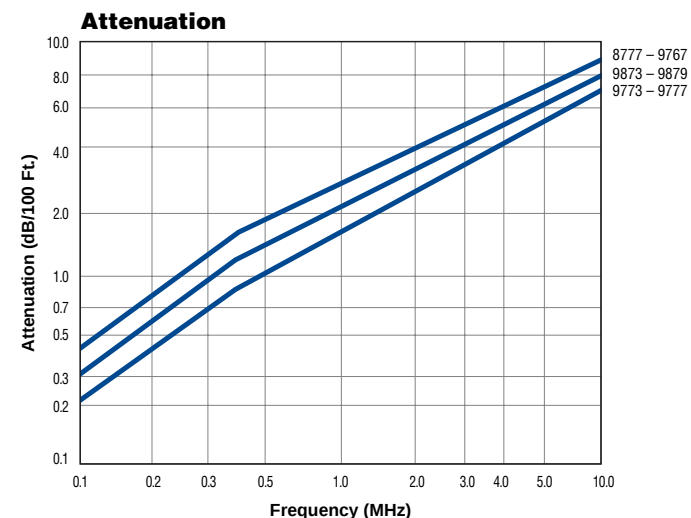
DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length show.

Individually Shielded Cable Characteristics



Recommended for audio, pulse, and radio frequency applications requiring superior circuit isolation.

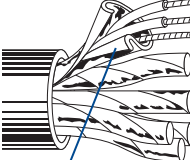
Insulation resistance between shields:
100 megohms/M' nom.

Capacitance between adjacent shields:
115 pF/ft. nom.

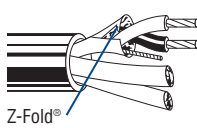
Working voltage between adjacent shields:
50 volts max.

Individually Shielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
 Z-Fold®	8777	NEC:	3	See	100	30.5	4.7	2.1	15.0Ω/M'	10.6Ω/M'	.273	6.93	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	10.0	4.5	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	U-500	U-152.4	21.0	9.5										
		CM		Section)	500	152.4	20.0	9.1										
					U-1000	U-304.8	41.0	18.6										
					1000	304.8	44.0	20.0										
					1640	499.9	70.5	32.0										
					3280	999.7	141.0	64.0										
					5000	1524.0	215.0	97.6										
					10000 ††	3048.0	460.0	208.8										
For Plenum versions of 8777, see 88777, 87777 or 82777.																		
	8778	NEC:	6	See	100	30.5	8.4	3.8	15.0Ω/M'	10.6Ω/M'	.362	9.19	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	19.0	8.6	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	500	152.4	43.0	19.5										
		CM		Section)	1000	304.8	83.0	37.7										
	8774	NEC:	9	See	100	30.5	11.5	5.2	15.0Ω/M'	10.6Ω/M'	.417	10.59	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	29.5	13.4	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	500	152.4	57.5	26.1										
		CM		Section)	1000	304.8	113.0	51.3										
	8775	NEC:	11	See	100	30.5	12.1	5.5	15.0Ω/M'	10.6Ω/M'	.464	11.79	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	65.5	29.7	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	1000	304.8	130.0	59.0										
		CM		Section)														
	9768	NEC:	12	See	100	30.5	13.2	6.0	15.0Ω/M'	10.6Ω/M'	.464	11.79	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	36.5	16.5	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	500	152.4	73.5	33.4										
		CM		Section)	1000	304.8	143.0	65.0										
	8776	NEC:	15	See	100	30.5	17.8	8.1	15.0Ω/M'	10.6Ω/M'	.548	13.92	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	49.5	22.5	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	500	152.4	98.0	44.5										
		CM		Section)	1000	304.8	197.0	89.5										
	9769	NEC:	17	See	100	30.5	20.0	9.1	15.0Ω/M'	10.6Ω/M'	.577	14.66	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	109.0	49.5	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	1000	304.8	215.0	97.7										
		CM		Section)														
	8769	NEC:	19	See	100	30.5	22.9	10.4	15.0Ω/M'	10.6Ω/M'	.603	15.32	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	123.0	55.8	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	1000	304.8	244.0	110.8										
		CM		Section)														
	8773	NEC:	27	See	100	30.5	33.9	15.4	15.0Ω/M'	10.6Ω/M'	.709	18.00	50	66%	30	98	55	180
		CM		Chart 3	250 †	76.2	83.8	38.0	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	500	152.4	163.0	74.0										
		CM		Section)	1000	304.8	341.0	154.8										
	9767	NEC:	37	See	500 †	152.4	224.0	101.8	15.0Ω/M'	10.6Ω/M'	.800	20.32	50	66%	30	98	55	180
		CM		Chart 3	1000 †	304.8	481.0	218.6	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info														
		CM		Section)														

Polypropylene Insulation • Black Low-Smoke, Zero-Halogen Jacket

 Z-Fold®	8777SB	NEC:	3	See	U-500†	U-152.4	19.5	8.9	15.0Ω/M'	10.6Ω/M'	.273	6.93	50	66%	30	98	55	180
		CMG-LS		Chart 3	U-1000	U-304.8	38.0	17.3	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	1000†	304.8	39.0	17.7										
		CMG-LS FT4		Section)														
		Limited Smoke																

DCR = DC Resistance • TC = Tinned Copper

See Attenuation, Rise Time and Bit Rate Data for this series on page 5.39.

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

† Spools are one piece, but length may vary -0 to +20% from length shown.

†† Final put-up length may vary -10% to +20% from length shown. May contain 2 pieces. Minimum length of any one piece is 1500 ft.

BELDEN

For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

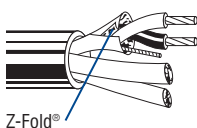
Individually Shielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

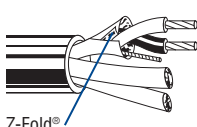
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire

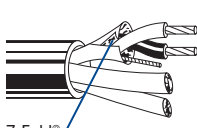
Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS 	82777	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	U-500†	U-152.4	19.5	8.9	14.7Ω/M'	11.3Ω/M'	.237	6.02	46	62%	35	115	76	249
					U-1000	U-304.8	38.0	17.3	48.2Ω/km	37.1Ω/km								
	82778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	1000†	304.8	71.0	32.2	14.7Ω/M'	11.3Ω/M'	.314	7.98	46	62%	35	115	76	249
									48.2Ω/km	37.1Ω/km								

Plenum • FEP Insulation • Red FEP Jacket

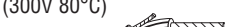
300V RMS 	88777	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	100	30.5	6.0	2.7	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
					500†	152.4	19.0	8.6	48.2Ω/km	37.1Ω/km								
	88778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	100	30.5	7.0	3.2	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220
					500†	152.4	38.5	17.4	48.2Ω/km	37.1Ω/km								
					1000†	304.8	75.0	34.1										

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

300V RMS 	87777	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	500†	152.4	18.0	8.2	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
					1000†	304.8	40.0	18.2	48.2Ω/km	37.1Ω/km								
	87778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	500†	152.4	37.5	17.0	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220
					1000†	304.8	73.0	33.2	48.2Ω/km	37.1Ω/km								

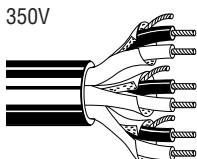
20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 22 AWG Stranded TC Drain Wire

Semi-rigid PVC Insulation • Overall Chrome PVC Jacket

UL AWM Style 2464 (300V 80°C)  Z-Fold®	9402	NEC:	2	Red & Black,	U-500	U-152.4	26.0	11.8	—	—	.300	7.62	—	—	55	180	95	312	
		CMG			1000	304.8	52.0	23.7											
		CEC:			Green & White														
		CMG FT4																	

20 AWG Stranded (10x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 22 AWG Stranded TC Drain Wire

Polypropylene Insulation • Black High-density Polyethylene Jacket

350V 	9883		3	See Chart 3 (Tech Info Section)	500	152.4	28.5	12.9	6.4Ω/M'	11.2Ω/M'	.340	8.64	50	66%	30	98	55	180
					1000	304.8	57.0	25.9	21.0Ω/km	36.8Ω/km								
	9886		6	See Chart 3 (Tech Info Section)	500	152.4	56.0	25.4	6.4Ω/M'	11.2Ω/M'	.455	11.56	50	66%	30	98	55	180
					1000	304.8	108.0	49.0	21.0Ω/km	36.8Ω/km								

DCR = DC Resistance • TC = Tinned Copper

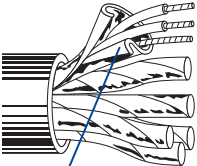
* Capacitance between conductors.

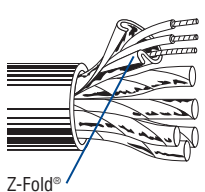
** Capacitance between one conductor and other conductors connected to shield.

† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

Individually Shielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Overall Chrome PVC Jacket																		
 Z-Fold®	9873	NEC:	3	See Chart 3 (Tech Info Section)	100	30.5	6.6	3.0	10.5Ω/M'	14.0Ω/M'	.341	8.66	50	66%	30	98	55	180
		CM			250	76.2	14.5	6.6	34.4Ω/km	45.9Ω/km								
		CEC:			500	152.4	32.5	14.8										
		CM			1000	304.8	58.0	26.3										
	9874	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	10.3	4.7	10.5Ω/M'	11.3Ω/M'	.445	11.30	50	66%	30	98	55	180
		CM			250	76.2	29.0	13.2	34.4Ω/km	37.1Ω/km								
		CEC:			500	152.4	56.5	25.7										
		CM			1000	304.8	113.0	51.3										
	9875	NEC:	9	See Chart 3 (Tech Info Section)	100	30.5	17.7	8.1	10.5Ω/M'	11.3Ω/M'	.555	14.10	50	66%	30	98	55	180
		CM			500	152.4	97.0	44.0	34.4Ω/km	37.1Ω/km								
		CEC:			1000	304.8	187.0	88.4										
		CM																
9876	NEC:	11	See Chart 3 (Tech Info Section)	1000	304.8	220.0	100.0	10.5Ω/M'	11.3Ω/M'	.600	15.24	50	66%	30	98	55	180	
	CM							34.4Ω/km	37.1Ω/km									
	CEC:																	
	CM																	
9877	NEC:	12	See Chart 3 (Tech Info Section)	100	30.5	22.1	10.1	10.5Ω/M'	11.3Ω/M'	.617	15.67	50	66%	30	98	55	180	
	CM			500	152.4	119.0	54.1	34.4Ω/km	37.1Ω/km									
	CEC:			1000	304.8	237.0	107.7											
	CM																	
9879	NEC:	15	See Chart 3 (Tech Info Section)	500	152.4	146.0	66.4	10.5Ω/M'	11.3Ω/M'	.689	17.50	50	66%	30	98	55	180	
	CM			1000	304.8	296.0	134.5	34.4Ω/km	37.1Ω/km									
	CEC:																	
	CM																	

18 AWG Stranded (19x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 20 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)  Z-Fold®	9773	NEC:	3	See Chart 3 (Tech Info Section)	100	30.5	10.8	4.9	6.4Ω/M'	8.3Ω/M'	.404	10.26	50	66%	30	98	55	180
		CM			500	152.4	52.5	23.8	21.0Ω/km	27.2Ω/km								
		CEC:			1000	304.8	107.0	48.6										
		CM																
	9774	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	16.1	7.3	6.4Ω/M'	8.3Ω/M'	.560	14.22	50	66%	30	98	55	180
		CM			500	152.4	89.5	40.9	21.0Ω/km	27.2Ω/km								
		CEC:			1000	304.8	176.0	80.8										
		CM																
	9775	NEC:	9	See Chart 3 (Tech Info Section)	100	30.5	25.8	11.7	6.4Ω/M'	8.3Ω/M'	.655	16.64	50	66%	30	98	55	180
		CM			500	152.4	123.0	55.8	21.0Ω/km	27.2Ω/km								
		CEC:			1000	304.8	241.0	109.4										
		CM																
	9776	NEC:	12	See Chart 3 (Tech Info Section)	100	30.5	31.6	14.4	6.4Ω/M'	8.3Ω/M'	.735	18.67	50	66%	30	98	55	180
		CM			500	152.4	151.5	69.0	21.0Ω/km	27.2Ω/km								
		CEC:			1000	304.8	307.0	139.4										
		CM																
	9777	NEC:	15	See Chart 3 (Tech Info Section)	100	30.5	38.8	17.6	6.4Ω/M'	8.3Ω/M'	.819	20.80	50	66%	30	98	55	180
		CM			500	152.4	194.0	88.1	21.0Ω/km	27.2Ω/km								
		CEC:			1000	304.8	421.0	191.1										
		CM																

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.39.

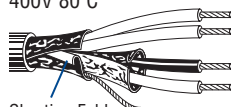
Combination Shields

Special Audio, Communication and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

25 AWG Stranded (7x33) Tinned Copper Conductors • Overall Beldfoil® Shield (100% Coverage) • 25 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

 Shorting Fold	8434		2	Shielded: Red & Black Unshielded: Green & White	100	30.5	2.1	1.0	.013	.33	.020	.51	.165	4.19	25	82	40	131
					500	152.4	7.0	3.2										
					U-1000	U-304.8	14.0	6.4										
					1000	304.8	12.0	5.5										

Red/Black pair 100% Beldfoil shielded with drain wire.
3 copper, 4 copper-covered steel strands in each conductor.

22 AWG Stranded (7x30) Tinned Copper Conductors • One Pair Beldfoil Shielded (100% Coverage) • Stranded Tinned Copper Drain Wire

PVC Insulation • Chrome PVC Jacket (Pair and Single Cabled)

	9685	NEC: CM	1.5 (1 pair + 1 single)	Shielded: Black & White Unshielded: Brown	U-1000	U-304.8	24.0	10.9	.013	.33	.032	.81	.199	5.05	60	197	99	325

Meets NEC Article 800
22 AWG drain wire

Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

	8730†		2	Shielded: Red & Black Unshielded: Green & White	U-1000	U-304.8	24.0	10.9	.008	.20	.030	.76	.205	5.21	34	112	67	220
					1000	304.8	26.0	11.8										

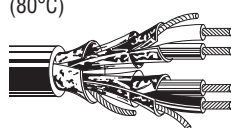
24 AWG drain wire

	8724†	NEC: CM CEC: CM	2	Shielded: Red & Black Unshielded: Green & White	U-1000	U-304.8	21.0	9.5	.008	.20	.019	.48	.165	4.19	34	112	67	220
					1000	304.8	21.0	9.5										

24 AWG drain wire

22 AWG Stranded (7x30) TC Conductors • Cabled in Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wires

Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

	8728	NEC: CM CEC: CM	2	Black & Red Green & White	U-500	U-152.4	15.5	7.0	.010	.25	.028	.71	.215	5.46	35	115	62	203
					500	152.4	15.5	7.0										
					U-1000	U-304.8	30.0	13.6										
					1000	304.8	31.0	14.0										

Meets NEC Article 800
Each pair Beldfoil shielded with individual drain wire plus polyester film over each shield.

TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

† Request Technical Bulletin T/8-21 before planning high and low level circuits in the same cable.

Plenum-Rated

Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pairs

Plenum • FEP Insulation • Red FEP Jacket

	300V RMS	88442	NEC: CMP CEC: CMP FT6	1	Black & Red	100	30.5	2.3	1.0	.006	.15	.012	.30	.102	2.59
						500†	152.4	5.5	2.5						
						1000†	304.8	8.0	3.6						
	300V RMS	88741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	500†	152.4	8.0	3.6	.006	.15	.012	.30	.169	4.29
						1000†	304.8	16.0	7.3						
	300V RMS	88757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	500†	152.4	14.0	6.4	.006	.15	.012	.30	.200	5.08
						1000†	304.8	28.0	12.7						

Plenum • FEP Insulation • Natural Flamarrest® Jacket

	300V RMS	82442	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000†	U-304.8	9.0	4.1	.006	.15	.014	.36	.112	2.84
						1000†	304.8	8.0	3.6						
	300V RMS	82741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	U-1000†	U-304.8	18.0	8.2	.006	.15	.014	.36	.179	4.55
						1000†	304.8	20.0	9.1						
	300V RMS	82742	NEC: CMP CEC: CMP FT6	3	Black & Red, Black & White, Black & Green	U-1000†	U-304.8	24.0	10.9	.006	.15	.014	.36	.191	4.85
						1000†	304.8	26.0	11.8						
	300V RMS	82757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	1000	304.8	32.0	14.5	.006	.15	.014	.36	.210	5.33
	300V RMS	82743	NEC: CMP CEC: CMP FT6	6	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown	U-1000	U-304.8	44.0	20.0	.006	.15	.015	.38	.238	6.05
						1000	304.8	46.0	20.9						

18 AWG Stranded (19x30) Tinned Copper Conductors • Twisted Pair

Plenum • FEP Insulation • Red FEP Jacket

	300V RMS	89740	NEC: CMP CEC: CMP FT6	1	Black & Red	100	30.5	3.0	1.4	.006	.15	.009	.23	.136	3.45
						500†	152.4	9.0	4.1						
						1000†	304.8	15.0	6.8						

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

	300V RMS	87740	NEC: CMP CEC: CMP FT6	1	Black & Red	500†	152.4	9.0	4.1	.006	.15	.011	.28	.140	3.56
						1000†	304.8	17.0	7.7						

Plenum • FEP Insulation • Natural Flamarrest Jacket

	300V RMS	82740	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000	U-304.8	17.0	7.7	.006	.15	.015	.38	.147	3.73
						1000	304.8	16.0	7.3						

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

Plenum-Rated

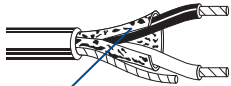
Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

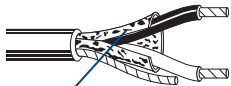
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire

Plenum • FEP Insulation • Red FEP Jacket

300V RMS 	88761	NEC:	1	Black, Red	100	30.5	2.7	1.2	.006	.15	.014	.36	.119	3.02	35	115	67	220
		CMP			U-500	U-152.4	7.5	3.4										
		CEC:			500	152.4	7.5	3.4										
		CMP FT6			U-1000	U-304.8	15.0	6.8										
					1000	304.8	12.0	5.5										

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

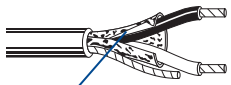
300V RMS 	87761	NEC:	1	Black, Red	500	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP			1000	304.8	11.0	5.0										
		CEC:																
		CMP FT6																

Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS 	82761	NEC:	1	Black, Red	U-500	U-152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP			U-1000	U-304.8	14.0	6.4										
		CEC:			1000	304.8	11.0	5.0										
		CMP FT6																

18 AWG Stranded (19x30) Tinned Copper Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire

Plenum • FEP Insulation • Red FEP Jacket

300V RMS 	88760	NEC:	1	Black, Red	100	30.5	3.7	1.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			U-500	U-152.4	12.5	5.7										
		CEC:			500	152.4	11.0	5.0										
		CMP FT6			U-1000	U-304.8	24.0	10.9										
					1000	304.8	22.0	10.0										

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

300V RMS 	87760	NEC:	1	Black, Red	U-500	U-152.4	12.5	5.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			500	152.4	10.5	4.8										
		CEC:			1000	304.8	21.0	9.5										
		CMP FT6																

Plenum • FEP Insulation • Natural Flamarrest Jacket

300V RMS 	82760	NEC:	1	Black, Red	U-500	U-152.4	12.0	5.5	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			U-1000	U-304.8	22.0	10.0										
		CEC:			1000	304.8	21.0	9.5										
		CMP FT6																

TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

Plenum-Rated

Individually Shielded Pairs

Audio, Control and Instrumentation Cables

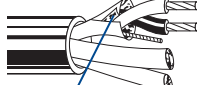
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ ft.	* pF/ m	** pF/ ft.	** pF/ m

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire††

Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS  Z-Fold®	82723	NEC:	2	Red & Black, Green & White	U-500	U-152.4	10.5	4.8	14.7Ω/M'	16.6Ω/M'	.153	3.89	36	62%	43	141	75	246
		CMP			U-1000	U-304.8	20.0	9.1	48.2Ω/km	54.5Ω/km								
		CEC:			1000	304.8	19.0	8.6										
		CMP FT6			U-2000	U-609.6	40.0	18.2										

††82723 has 24 AWG drain wire
Pairs cabled on common axis to reduce diameter.

300V RMS  Z-Fold®	82777	NEC:	3	See Chart 3 (Tech Info Section)	U-500	U-152.4	19.5	8.9	14.7Ω/M'	11.3Ω/M'	.237	6.02	46	62%	35	115	76	249
		CMP			U-1000	U-304.8	38.0	17.3	48.2Ω/km	37.1Ω/km								
		CEC:			1000	304.8	39.0	17.7										
		CMP FT6																

300V RMS  Z-Fold®	82778	NEC:	6	See Chart 3 (Tech Info Section)	1000	304.8	71.0	32.2	14.7Ω/M'	11.3Ω/M'	.314	7.98	46	62%	35	115	76	249
		CMP							48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																

Plenum • FEP Insulation • Red FEP Jacket

300V RMS  Z-Fold®	88723	NEC:	2	Red & Black, Green & White	100	30.5	3.4	1.5	14.7Ω/M'	16.6Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			500	152.4	11.0	5.0	48.2Ω/km	54.5Ω/km								
		CEC:			1000	304.8	19.0	8.6										
		CMP FT6																

††88723 has 24 AWG drain wire

300V RMS  Z-Fold®	88777	NEC:	3	See Chart 3 (Tech Info Section)	100	30.5	6.0	2.7	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
		CMP			500	152.4	19.0	8.6	48.2Ω/km	37.1Ω/km								
		CEC:			1000	304.8	42.0	19.1										
		CMP FT6																

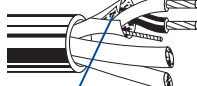
300V RMS  Z-Fold®	88778	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	7.0	3.2	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220
		CMP			500	152.4	38.5	17.5	48.2Ω/km	37.1Ω/km								
		CEC:			1000	304.8	75.0	34.1										
		CMP FT6																

Pairs cabled on common axis to reduce diameter.

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

300V RMS  Z-Fold®	87723	NEC:	2	Red & Black, Green & White	500	152.4	11.0	5.0	14.7Ω/M'	15.0Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			1000	304.8	18.0	8.2	48.2Ω/km	49.2Ω/km								
		CEC:																
		CMP FT6																

††87723 has 24 AWG drain wire.

300V RMS  Z-Fold®	87777	NEC:	3	See Chart 3 (Tech Info Section)	500	152.4	18.0	8.2	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
		CMP			1000	304.8	40.0	18.2	48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																

300V RMS  Z-Fold®	87778	NEC:	6	See Chart 3 (Tech Info Section)	500	152.4	37.5	17.0	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220
		CMP			1000	304.8	73.0	33.2	48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																

Pairs cabled on common axis to reduce diameter.

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.